Index of Claims

| Application/Control N | 10 |
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10/612,145

Examiner

Elizabeth A. Bolden

Applicant(s)/Patent under Reexamination

YAMANE ET AL.

Art Unit

1755

| <b>√</b> | Rejected |
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| II       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
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| ÷ | Restricted                     |

| •• | Z | Non-Elected  |
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|    | _ | Interference |

| A | Appeal   |
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| Cir   | aim      | Date     |          |           |   |  | Date Claim Date |  |          |          |          |          |          |          |                 |          | }         | Claim Date |          |          |   |             |          |                 |                 |           |          |               |          |          |          |   |
|-------|----------|----------|----------|-----------|---|--|-----------------|--|----------|----------|----------|----------|----------|----------|-----------------|----------|-----------|------------|----------|----------|---|-------------|----------|-----------------|-----------------|-----------|----------|---------------|----------|----------|----------|---|
|       | 2011     | -        |          |           |   |  |                 |  |          |          | 1        |          | 31111    | Date     |                 |          |           |            |          |          |   |             |          |                 |                 |           |          |               |          |          |          |   |
| Final | Original | 9/56/06  |          |           |   |  |                 |  |          |          | Final    | Original |          |          |                 |          |           |            |          |          |   | Final       | Original |                 |                 |           |          |               |          |          |          |   |
| 1     | 1        | =        |          |           |   |  |                 |  |          |          |          | 51       |          |          |                 |          | $\Box$    |            |          |          |   |             | 101      |                 |                 | $\neg$    | $\neg$   |               |          |          |          |   |
| 2     | 2        | =        |          |           |   | П  |                 |  | П        |          |          | 52       |          | П        | $\neg \top$     |          |           | Т          |          | $\top$   |   |             | 102      |                 |                 | T         | 一        |               |          |          |          |   |
| 3     | 3        | =        |          |           |   |  |                 |  |          |          |          | 53       |          |          | П               | Т        | П         | $\Box$     | Т        |          |   |             | 103      |                 |                 | $\neg$    | $\neg$   |               |          |          | $\neg$   |   |
| 7     | 4        | Ξ        |          |           |   | Г  | П               | Π  |          |          |          | 54       |          |          | $\neg$          | T        | T         | T          |          | 1        | 1 |             | 104      |                 |                 | $\neg$    | $\neg$   | $\neg$        |          |          |          | _ |
| 4     | 5        | =        |          |           |   |  |                 |  |          |          |          | 55       |          |          | $\neg$          | T        | $\neg$    | 1          |          |          | 1 |             | 105      |                 |                 |           | コ        |               |          |          |          |   |
| 8     | 6        | =        |          |           |   |  |                 |  | П        |          |          | 56       |          |          |                 | 7        | $\neg$    | $\neg$     |          | 1-       | 1 |             | 106      |                 |                 | ╗         | $\neg$   | $\neg$        |          |          |          |   |
| 12    | 7        | =        |          |           |   | Г  |                 |  |          |          |          | 57       |          |          | $\neg$          | 7        | $\neg$    | $\neg$     | Ţ        | 7        | 1 |             | 107      |                 |                 | 一         | 一        |               |          |          |          |   |
| 9     | 8        | =        |          |           |   |  | П               | Г  | П        |          |          | 58       |          |          |                 |          |           | T          | T        | $\top$   | 1 |             | 108      |                 |                 | T         | $\neg$   |               |          |          | $\neg$   | _ |
|       | 9        |          |          |           |   |  |                 |  |          |          |          | 59       |          |          | _               | 7        |           | $\top$     |          |          | 1 |             | 109      |                 |                 | 丁         | T        |               |          |          |          |   |
| 5     | 10       | =        |          |           |   |  | Τ               | Т  |          |          |          | 60       |          |          | $\neg \uparrow$ |          |           | T          |          |          | 1 |             | 110      |                 |                 | $\neg$    |          |               |          |          |          |   |
| 10    | 11       | =        |          |           |   |  |                 |  | П        |          |          | 61       |          |          | $\neg$          | $\neg$   | 7         | T          |          | $\top$   | 1 |             | 111      |                 | $\Box$          | ヿ         | ヿ        |               |          |          | $\neg$   |   |
| 13    | 12       | Ξ        |          |           |   |  |                 | Г  |          |          |          | 62       |          | П        |                 |          | $\neg$    |            |          |          | 1 |             | 112      |                 |                 | 7         | $\neg$   |               |          |          |          | _ |
| 6     | 13       | =        |          |           |   | Г  | Г               |  |          |          |          | 63       |          |          | _               | _        | $\dashv$  | 十          | T        | 1        | 1 |             | 113      | _               |                 | 寸         | 7        |               |          | $\neg$   | $\neg$   |   |
| 11    | 14       | =        |          |           |   | П  |                 |  | П        | ヿ        |          | 64       |          | $\Box$   | $\dashv$        | 7        | $\top$    | $\top$     | 1        | $\top$   | 1 |             | 114      |                 |                 | ヿ         | $\neg$   | $\neg$        |          | $\neg$   |          |   |
| 14    | 15       | =        |          |           | _ |  | Г               |  |          |          |          | 65       |          | П        | 寸               | 寸        | $\neg$    |            |          |          | 1 |             | 115      |                 |                 | _         | $\neg$   | $\neg$        |          |          | $\neg$   | _ |
| 15    | 16       | =        |          |           |   |  |                 |  |          |          |          | 66       |          | П        | $\neg$          | $\dashv$ | $\neg$    | - †        | T        |          | i |             | 116      |                 |                 | 7         | ╛        |               |          | $\neg$   | $\neg$   | _ |
| 16    | 17       | =        |          |           | _ |  |                 | Т  |          | $\neg$   |          | 67       |          | П        | _               | 7        | $\neg$    | T          | 1        |          | i |             | 117      |                 |                 |           |          |               |          |          |          | _ |
| 17    | 18       | =        |          | _         |   | T-   |                 |  |          |          | <u> </u> | 68       |          |          | $\neg$          | $\dashv$ | 寸         | T          | $\top$   | $\top$   | 1 |             | 118      |                 |                 | $\neg$    | $\neg$   |               |          | ヿ        | ╗        | _ |
| 18    | 19       | =        |          |           |   |  |                 |  |          |          |          | 69       |          |          |                 |          |           |            | 1        |          |   |             | 119      |                 |                 | T         | _        |               |          |          |          |   |
| 19    | 20       | =        |          |           |   | $\vdash$   | 1               | $\vdash$   |          | $\neg$   |          | 70       | Т        | $\Box$   | T               | 7        | 寸         | 7          | Ť        | $\top$   | 1 |             | 120      |                 | $\neg$          | $\dashv$  | ヿ        | $\neg$        |          | 寸        | $\neg$   | _ |
| 20    | 21       | =        |          |           |   |  |                 |  | П        | ╗        |          | 71       |          | П        | T               | 寸        | ┪         | $\top$     | $\top$   | $\top$   | 1 |             | 121      |                 |                 | $\neg$    |          |               |          |          | $\neg$   | _ |
| 21    | 22       | Ξ        |          |           |   |  |                 |  | П        |          | <u> </u> | 72       |          |          |                 | T        | $\neg$    |            | T        |          | 1 |             | 122      |                 |                 | $\neg$    |          |               |          |          |          |   |
| 22    | 23       | =        |          | _         |   |  |                 |  |          |          |          | 73       |          |          | T               | 寸        | $\exists$ |            | $\top$   |          | 1 |             | 123      |                 | $\dashv$        | 7         | 寸        | $\neg$        |          | _        |          | _ |
| 23    | 24       | Ξ        |          |           |   |  | Г               | Т  |          |          |          | 74       |          | $\Box$   |                 | 寸        | $\neg$    |            | 1        | _        | 1 |             | 124      |                 |                 | $\dashv$  | ヿ        |               |          | _        |          | _ |
| 24    | 25       | =        |          |           |   | _  |                 |  |          | $\neg$   |          | 75       |          | П        |                 | T        | 寸         |            | 7        |          | 1 |             | 125      |                 |                 | _         | 寸        | $\neg$        |          |          |          | _ |
| 25    | 26       | ₣        |          |           |   | Г  | $\vdash$        |  |          |          |          | 76       |          | $\Box$   |                 | $\dashv$ |           |            | $\dashv$ | $\top$   | 1 |             | 126      |                 |                 | 7         | ヿ        | $\neg$        |          | _        |          | _ |
| 26    | 27       | =        |          |           |   | T  | _               | $\overline{}$                                    |          | $\neg$   |          | .77      |          | П        | T               | 寸        | $\neg$    | $\top$     | $\top$   | ╅        | 1 |             | 127      |                 | $\dashv$        | 寸         | $\neg$   | $\neg$        | $\neg$   |          |          | _ |
| 27    | 28       | =        |          |           |   |  |                 |  |          |          |          | 78       |          | $\Box$   |                 | 寸        | $\neg$    | T          | _        | $\top$   | 1 |             | 128      |                 |                 | 7         | 一        |               |          |          |          | _ |
| 28    | 29       | ┰        |          | _         |   |  | $\vdash$        | Т  |          | $\neg$   |          | 79       |          | $\Box$   |                 | 7        | 寸         | Ť          | $\top$   | $\top$   | 1 |             | 129      |                 | $\Box$          | 寸         | $\neg$   | $\neg$        |          | $\neg$   |          | _ |
| 29    | 30       | =        |          |           |   | T  |                 |  |          | $\neg$   |          | 80       |          | П        | _               | 7        | 寸         | $\top$     | $\top$   |          |   |             | 130      |                 |                 | _         | ┪        | $\overline{}$ |          | $\dashv$ |          | _ |
| 30    | 31       | Ξ        |          | _         |   |  | $\vdash$        | Г  |          |          |          | 81       |          | П        | 7               | 1        | 寸         | <u> </u>   | _        |          |   |             | 131      |                 |                 | _         | 一        |               |          |          |          | _ |
| 31    | 32       | =        | П        |           |   | <del>                                     </del> | _               | ┪  |          |          |          | 82       |          | Н        | $\neg \uparrow$ | _        | _         | $\top$     | $\top$   | $\top$   | 1 |             | 132      |                 | $\Box$          | _         | 一        |               |          | $\neg$   |          | _ |
| 32    | 33       | =        | П        | -         |   |  |                 | Т  |          |          |          | 83       |          |          | $\neg \uparrow$ | _        | 寸         | 7          | 1        |          |   |             | 133      |                 |                 | $\neg$    | _        |               |          | $\neg$   | 7        | _ |
| 33    | 34       | =        | П        |           |   |  |                 | $\vdash$   | $\sqcap$ | $\neg$   |          | 84       |          | Н        | 十               | 十        | 十         | +          | $\dashv$ |          | 1 |             | 134      | П               | $\neg \uparrow$ | 7         | $\dashv$ | $\dashv$      |          |          | ᅥ        | _ |
| 34    | 35       | =        | П        | $\exists$ |   |  |                 | Г  | $\Box$   | $\neg$   |          | 85       |          | $\Box$   | +               | _        | 寸         | 十          | 十        | 1        | 1 |             | 135      |                 | 1               | 7         | _        |               |          | _        | ᅥ        | _ |
| 35    | 36       | Ξ        | $\vdash$ |           |   | П  |                 | $\vdash$   | $\Box$   | $\neg$   |          | 86       |          |          | _               | $\dashv$ | $\dashv$  | +          | $\dashv$ | $\dashv$ | 1 |             | 136      |                 | +               | 7         | 7        | $\dashv$      |          | $\neg$   | ᅥ        | _ |
| 36    | 37       | =        |          | -         |   | Н  | $\vdash$        | 一  | $\vdash$ | $\dashv$ | <u> </u> | 87       |          | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  | +          | +        | $\top$   | 1 |             | 137      | Н               | $\vdash$        | +         | ᅱ        | $\dashv$      |          | _        | -        | _ |
|       | 38       | T        | $\Box$   |           |   | $\vdash$   | $\vdash$        | T  | $\vdash$ | $\neg$   |          | 88       |          | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  | 十          | $\dashv$ | 1        |   |             | 138      |                 | $\vdash$        | $\forall$ | ᅥ        | $\neg$        |          | +        |          | _ |
|       | 39       | <u> </u> | Н        | $\neg$    |   | $\vdash$   | T               | T  | $\vdash$ | $\dashv$ |          | 89       | П        | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  | $\dashv$   | +        | $\top$   | 1 |             | 139      |                 | +               | 十         | ┪        | $\neg$        |          | -        |          |   |
|       | 40       | $\vdash$ | П        | $\neg$    |   | $\Box$   | $\vdash$        | $\vdash$   | Н        | $\dashv$ |          | 90       | Н        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  | $\top$     | +        | $\top$   | ĺ |             | 140      |                 | $\dashv$        | 十         | 7        |               |          | _        | $\dashv$ | _ |
|       | 41       |          | П        |           |   | П  | T               | <del> </del>                                     | H        | $\dashv$ |          | 91       |          | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  | 十          | $\dashv$ |          | 1 |             | 141      | $\vdash$        | $\vdash$        | 7         | ᅥ        |               |          | $\dashv$ | $\dashv$ | _ |
|       | 42       | T        | M        | $\neg$    | _ | $\vdash$   | $\vdash$        |  | $\vdash$ | $\neg$   |          | 92       |          | $\dashv$ | $\dashv$        | $\dashv$ | -         | 十          | +        | +-       | 1 | <u> </u>    | 142      |                 | $\vdash$        | $\dashv$  | $\dashv$ | _             |          | $\dashv$ |          | _ |
|       | 43       |          | $\Box$   | $\neg$    |   | $\Box$   |                 | $\vdash$   |          | $\neg$   |          | 93       | Н        | $\Box$   | 十               | 寸        | _         | $\top$     | $\top$   | +        | 1 |             | 143      | П               | $\vdash$        | $\dashv$  | ┪        | $\neg$        | $\neg$   | 一        | -        | _ |
|       | 44       |          |          |           |   |  | $\vdash$        |  | Н        | $\dashv$ |          | 94       | М        | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$  | 十          | $\dashv$ | $\top$   | 1 |             | 144      |                 | $\vdash$        | 7         | _        | -1            |          | $\dashv$ | ᅥ        | _ |
|       | 45       | $\vdash$ |          |           |   |  | _               |  | $\vdash$ | $\dashv$ |          | 95       | H        |          | $\dashv$        | 十        | 一         | +          | +        | +        | 1 | <b>—</b>    | 145      | -               | 1               | $\dashv$  | $\dashv$ | $\dashv$      | -        | +        | ᅥ        | _ |
|       | 46       | $\vdash$ | Н        |           |   | П  | _               |  | $\vdash$ | $\dashv$ |          | 96       | $\vdash$ |          | $\dashv$        | $\dashv$ | $\dashv$  | +          | - -      | +        |   |             | 146      | Н               | $\dashv$        | $\dashv$  | $\dashv$ | _             |          | 7        | -        | _ |
|       | 47       | $\vdash$ | Н        |           |   |  | $\vdash$        | <del>                                     </del> | $\vdash$ | $\dashv$ |          | 97       | $\vdash$ |          | 十               | $\dashv$ | $\dashv$  | +          | +        |          |   |             | 147      | $\vdash$        | $\dashv$        | +         |          | $\neg$        | -        | $\dashv$ | ᅥ        | _ |
|       | 48       |          | Н        | _         | Н | Н  |                 | <del>                                     </del> | $\vdash$ | $\dashv$ |          | 98       |          | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  | 十          | +        |          |   | $\vdash$    | 148      | $\vdash \vdash$ | $\dashv$        | $\dashv$  | ┪        | $\dashv$      | -        | +        | $\dashv$ | _ |
|       | 49       | _        | $\vdash$ | $\dashv$  | Н | Н  | $\vdash$        | Т  | $\vdash$ | $\neg$   | <u> </u> | 99       | $\vdash$ | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$  | +          | +        | +        |   | <b> </b>    | 149      | $\vdash$        | $\dashv$        | $\dashv$  | 寸        | $\dashv$      | $\dashv$ | -+       | -        | _ |
|       | 50       | $\vdash$ | $\vdash$ | $\dashv$  |   | $\vdash$   | $\vdash$        | $\vdash$   | $\vdash$ | _        |          | 100      | H        | -        | -               | $\dashv$ | $\dashv$  | -          | +        | +        |   | <del></del> | 150      | $\vdash$        | $\dashv$        | ╅         | ᅥ        | $\dashv$      | $\neg$   | +        | -        | _ |
|       |          |          | ш        |           |   |  |                 |  | _        |          | L        |          |          |          | 1               | . 1      |           | - 1        | - 1      | L        |   |             | •        |                 |                 |           | 1        |               | I        | - 1      |          |   |